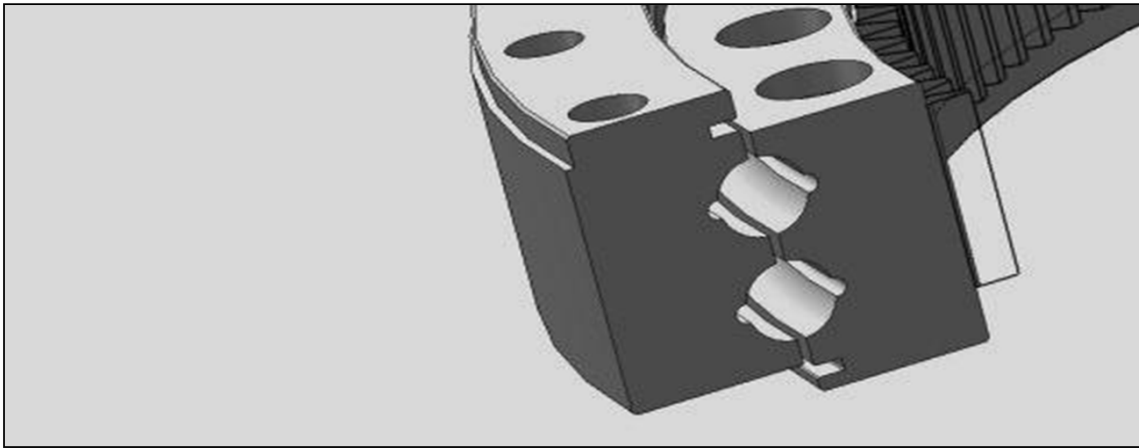


Double Row Bearings



Double row ball slewing rings



Double row ball slew rings offer higher radial load capacity over the single row bearings and find application in:-

- Large industrial positioners (e.g. welding and assembly jigs)
- Ship or truck loading chute swivels
- Jib cranes
- Conveyors and associated materials handling equipment
- Winches and fluid umbilicals
- Scrap handling grabs

Construction

The normal internal construction consists of a series of balls with plastic spacers, but ball spacers, steel or brass spacers, or caged bearings can be supplied for specific applications.

All QCB double row ball bearings are made in 42CrMo4 steel for superior gear strength

Seals

A land riding Nitrile rubber seal strip is standard. VITON seals can be supplied to order.

Gearing

Standard metric gears with 20deg pressure angle. Some gears have an addendum modification to improve tooth strength. Gears can be induction hardened,

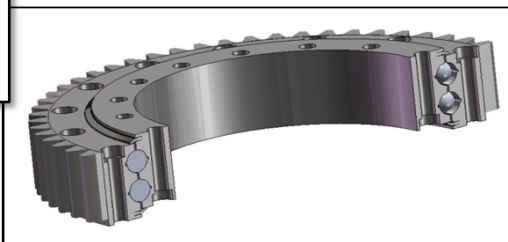
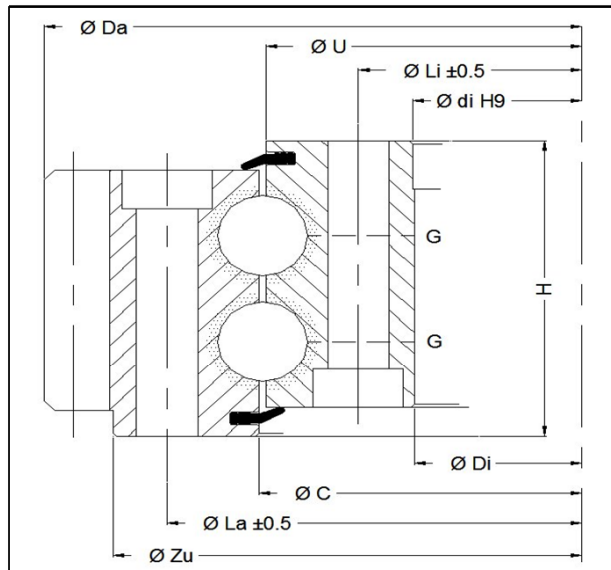
Lubrication

Usually lubricated with a Lithium EP2 grease. Special greases can be supplied to order.

Custom options

- Ungeared bearings
- Sizes in excess of 4500mm

Double row ball External Gear slew rings

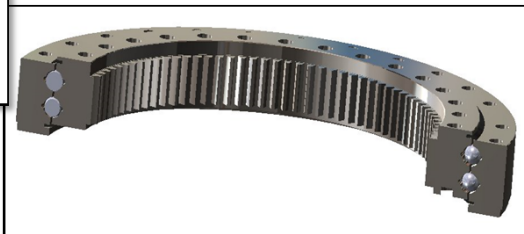
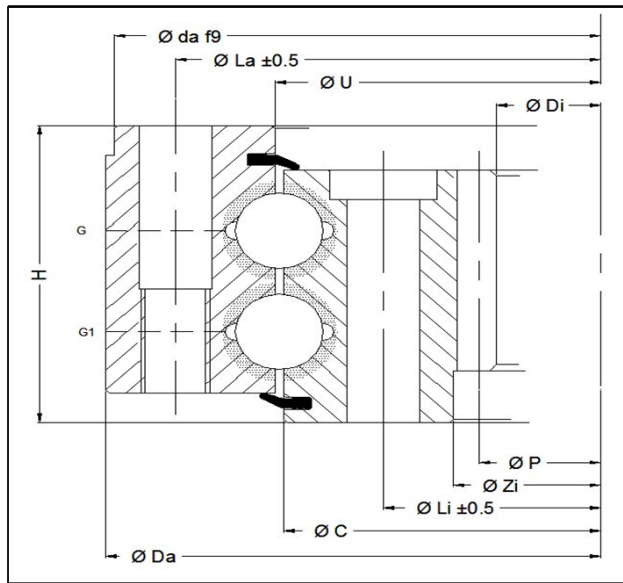


QCB reference	Outline dimensions & weight							Load curve
	D _a	D _i	U	C	H	Z _u	Weight	
	mm	mm	mm	mm	mm	mm	kg	
SEG 504 2 25 01 AA LM	504	299	381	385	92	466	64	1
SEG 610 2 20 01 AA LM	610	390	486	490	90	570	98	2
SEG 816 2 25 01 AA LM	816	572	673	677	113	781	165	3
SEG 979 2 25 01 AA LM	979	716	819	823	102	935	208	4
SEG 1289 2 30 01 AA LM	1289.5	985	1114	1119	110	1240	340	5
SEG 1380 2 25 01 AA LM	1380	1095	1216	1221	108	1330	350	6

QCB reference	Outer holes		Inner holes		20° spur gear			
	L _a	n _a	L _i	n _i	P	m	z	F _z MAX
	mm		mm		mm			KN
SEG 504 2 25 01 AA LM	436	16	330	16	488	8	61	86
SEG 610 2 20 01 AA LM	540	18	436	18	600	6	100	65
SEG 816 2 25 01 AA LM	753	36	604	36	792	6	132	67
SEG 979 2 25 01 AA LM	893	36	753	36	940	10	94	144
SEG 1289 2 30 01 AA LM	1198	40	1035	40	1250	10	125	147
SEG 1380 2 25 01 AA LM	1290	36	1135	36	1360	10	136	130

Note: Diagram indicative of overall sizes only - ask for specific bearing drawings for detailed information

Double row ball Internal Gear slew rings



QCB reference	Outline dimensions & weight							Load curve
	D_a	D_i	U	C	H	Z_i	Weight	
	mm	mm	mm	mm	mm	mm	kg	
SIG 700 25 01 AA LM	700	485	602	598	100	500	119	1
SIG 976 2 20 01 AA LM	976	786	899	895	97	820	153	2
SIG 982 2 25 01 AA LM	982	754	887	883	97	790	170	3
SIG 1072 2 25 01 AA LM	1072	831	976	980	97	-	218	4
SIG 1470 2 25 02 AA LM	1470	1182	1348	1353	108	1230	394	5
SIG 1750 2 30 02 AA LM	1750	1419	1612	1617	120	1470	600	6

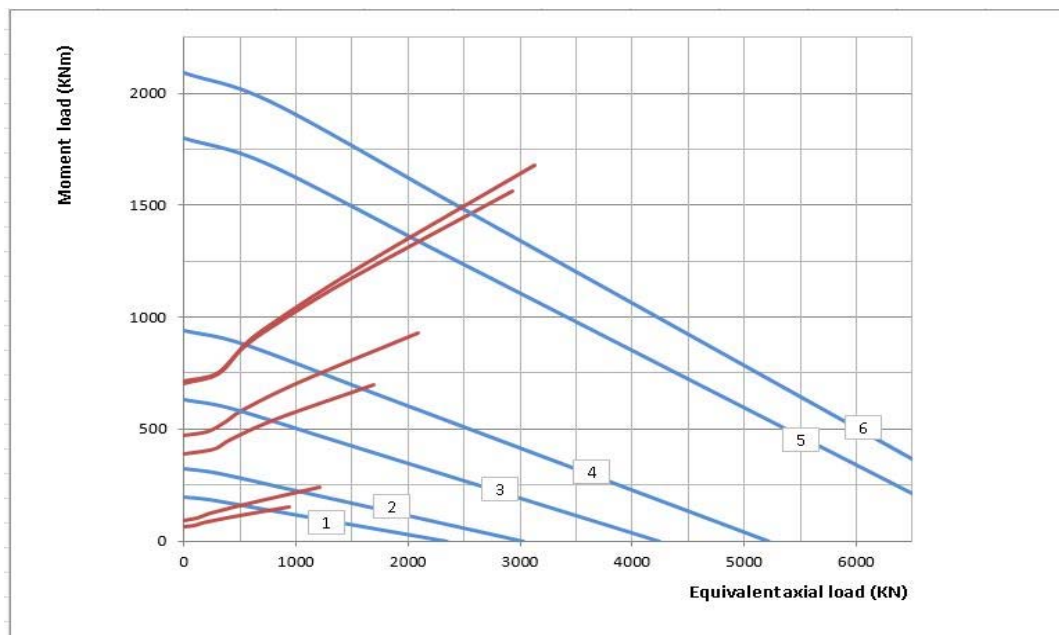
QCB reference	Outer holes		Inner holes		20° spur gear			
	L_a	n_a	L_i	n_i	P	m	z	$F_{z \text{ MAX}}$
	mm		mm		mm			KN
SIG 700 25 01 AA LM ^{*1}	660	28 ^{*2}	540	30	485	5	97	45
SIG 976 2 20 01 AA LM	944	36	850	36	800	8	100	97
SIG 982 2 25 01 AA LM	944	36	826	36	760	8	95	96
SIG 1072 2 25 01 AA LM ^{*1}	1035	36	922	36	840	12	70	147
SIG 1470 2 25 02 AA LM	1425	48	1270	48	1200	10	120	162
SIG 1750 2 30 02 AA LM	1705	48	1525	48	1440	12	120	176

Notes ^{*2} Bolt holes not equally spaced.

Note: Diagram indicative of overall sizes only - ask for specific bearing drawings for detailed information

Double row ball slew rings Static Load Charts

External gear



Internal gear

